

BASINSKI, Antoni, SZYMANSKI, Wojciech, SZABLEWSKI, Lech

Solubility of thallium ferrocyanide in water and in some organic solvents as determined by the tracer method. *Rocz chemii* 36 no.7/8:1255-1257 '62.

1. Katedra Chemii Fizycznej, Uniwersytet im. M.Kopernika, Torun.

KWIATKOWSKI, Edmund; BASINSKI, Antoni

Some comments on the relation between the volume ratio of solutions and the composition of a complex under conditions of Job's method. Roczniki chemii 36 no.11:1671-1676 '62.

1. Department of Physical Chemistry, School of Education, Gdansk and Department of Physical Chemistry, M. Copernicus University, Torun.

BASINSKI, Antoni; KUIK, Marian; CEYNOWA, Jozef

Shape of catalytic waves arising in the presence of cysteine and nickel in ammonia buffer solutions. Roczniki chemii 36 no.12:1889-1893 '63.

1. Department of Physical Chemistry, Copernicus University, Torun.

BASINSKI, Antoni; SIEROCKA, Michalina; PILAT, Danuta

Studies on the mechanism of purification of silver halide
sols by means of ion-exchangers. Pt.5. Roczniki chemii 37 no.2:
201-206 '63.

1. Department of Physical Chemistry, Copernicus University,
Torun.

LATOWSKI, Tadeusz; BASINSKI, Antoni

Photochemical properties of halogenous derivatives of aniline.
Pt. 2. Roczniki chemii 37 no.3:341-346 '63.

1. Department of Physical Chemistry, Normal School, Gdansk, and
Department of Physical Chemistry, N. Copernicus University,
Torun.

BASINSKI, Antoni; SZYMANSKI, Wojciech; STERANNIEWICZ, Emilia

Isotopic exchange in the system $\text{Hg}_2\text{FeCy}_6(s) - \text{Hg}^{++}$. *Rocz chemii* 37 no.5:585-587 '63.

1. Department of Physical Chemistry, Nicholas Copernicus University, Torun.

BASINSKI, Antoni; SZYMANSKI, Wojciech; KRYGIER, Alicja; ZAPŁOWSKA, Gabriela

Conductometric and radiometric studies on the composition of mercuric ferrocyanide. *Rocz chemii* 37 no.11:1345-1350 '63.

1. Department of Physical Chemistry, N. Copernicus University, Torun.

BASINSKI, Antoni; CEYNOWA, Jozef; KUIK, Marian

Anodic waves of cystine in the presence of Ni^{++} ions.
Rocz chemii 37 no.1:1.89-1.96 '63.

1. Department of Physical Chemistry, N. Copernicus University,
Torun.

POLAND

BASINSKI, Antoni, prof. dr; SZABLEWSKI, Lech, mgr; LERKE, Gerard, mgr.

Department of Physical Chemistry, University (Katedra Chemii Fizycznej
Uniwersytetu M. Kopernika), Torun - (for all).

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1297-1301.

"Studies on the composition of salts formed in the reaction on indium
perchlorate with lithium, sodium, potassium, rubidium, and cesium
ferricyanides."

L 05307-67 RM/DS

ACC NR: AP7000213

SOURCE CODE: PO/0099/66/040/002/0237/0246

BASINSKI, A., NAREBSKA, A. and DABEK, R., of the Department of Physical Chemistry, N. Copernicus University (Katedra Chemii Fizycznej Uniwersytetu M. Kopernika) Torun.

"Studies on Ion Exchange Membranes. I. Remarks on Measurements and Calculations of the Membrane Conductivity"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 237 - 246

Abstract (Authors' English abstract): An improved cell for measurement of the conductivity of ion-exchange membranes is proposed and an extended equation for calculation of the resistance and specific conductivity of membranes is derived. The resistance of the cation exchange membrane AMF C-60/65-H⁺ was measured in HCl solutions and on this basis the new formula is compared with that used earlier.

Orig. art. has: 4 figures, 2 tables and 11 formulas.

IPRS: 36,0027

TOPIC TAGS: ion exchange membrane, cation

SUB CODE: 07 / SUBM DATE: 05 Feb 65 / OTH REF: 022 / SOV REF: 003

KH

Card 1/1

L 36906-66 EWP(e)/EWP(j)/EWP(t)/ETI IJP(c) JD/RM

ACC NR: AP6027105

(N)

SOURCE CODE: PO/009/66/040/001/0083/0086

AUTHOR: Rojek, Zdzislaw; Kreja, Ludwik; Basinski, Antoni

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13

ORG: Department of Physical Chemistry, N. Copernicus University, Torun (Katedra Chemii Fizycznej Uniwersytetu M. Kopernika)

TITLE: Investigation of the catalytic properties of cobalt powder. Part VII. Changes of electric conductivity of cobalt catalysts during carbon monoxide sorption

SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 83-86

TOPIC TAGS: cobalt, electric conduction, carbon monoxide, hydrogen, oxygen, gas adsorption, heat effect

ABSTRACT: The electric conductivity of pressed cobalt catalysts was examined in the course of carbon monoxide sorption as a function of temperature, time, and hydrogen and oxygen preadsorption. The first portions of the adsorbed gas were found to increase electric conductivity, which drops again after attaining a maximum value. Conductivity is most strongly influenced by temperature changes. Orig. art. has: figures. [Based on authors' Eng. abst.] [JPRS: 35,397]

SUB CODE: 07, 09 / SUBM DATE: 04Mar65 / ORIG REF: 004 / SOV REF: 001

OTH REF: 002

Card 1/1 LS

L 05304-67 EWP(i) RM
 ACC NRI: AP7000206 (N) SOURCE CODE: PO/0099/66/040/002/0165/0176

LENARCIA, B. and BASINSKI, A., of the Department of Chemistry Didactics,
 Teachers College, (Zaklad Metodyki Chemii Wyzszej Szkoły Pedagogicznej), Gdansk;
 Department of Physical Chemistry Copernicus University (Katedra Chemii
 Fizycznej Uniwersytetu M. Kopernika), Torun.

"Investigation of the $PbBr_2$ - Br_2 - Br^- H_2O System. III. Equilibria of Complex
 Formation between Pb^{++} and Br^- , Br_2 and Br^- , and between Pb^{++} , Br^- and Br_2 "

Warsaw, Roczniki Chemii, Vol 40, No 2. 1966, ppl65 - 176

Abstract (Authors' English abstract): Equilibria of complex formation were
 investigated by employing the solubility method and by measurement of the
 redox potential of Br_2/Br^- in saturated aqueous solutions of bromine con-
 taining $PbBr_2$ and $NaBr$.

Orig. art. has: 7 figures, 26 formulas and 2 tables. [JPRS: 36,002]

TOPIC TAGS: intermolecular complex, chemical equilibrium, lead compound,
 bromide

SUB CODE: 07 / SUBM DATE: 20 Mar 65 / ORIG REF: 008 / OTH REF: 015
 SOV REF: 005

KH

Card 1/1

0823 0741

♦ BASINSKI, Euzabiusz, dr.

Maritime management of People's Poland. Przegl techn no.18:
6 6 My '62.

BASINSKI, Euzebiusz, dr.

The Polish shipyards among the leading shipbuilding enterprises
in the world. Przegl. techn. no.29:5. J1 '62.

BASINSKI, Euzebiusz

Economic development of the German Democratic Republic. Przegl
techn no.41;12 14 0 '62.

BASINSKI, Eusebiusz

Close cooperation and assistance. Przegl techn. 45:7-8 11 N '62.

BASINSKI, Eusebiusz

New successes in the national economy of the German Democratic Republic.
Przeegl techn 84 no.17:4, 6 28 Ap '63.

BASINSKI, Euzebiusz, dr

The German Democratic Republic before another great leap. Przegl
techn 84 no.46:7 17 N '63.

BASINSKI, STANISLAW

Investigations of aldol reactions in gas phase. Reac-
tion of acetaldehyde with formaldehyde.

The reaction of acetaldehyde with formaldehyde was
studied on silica gel and on silica gel impregnated with
Na, K, Rb, and Cs hydroxides. The reaction of
acetaldehyde with formaldehyde was studied on silica
gel and on silica gel impregnated with Na, K, Rb, and
Cs hydroxides. The reaction of acetaldehyde with
formaldehyde was studied on silica gel and on silica
gel impregnated with Na, K, Rb, and Cs hydroxides.
The maximum yields of III on II (all 20-25%) were found at
180°C, 200°C, and 225°C, resp. A. Kopylov, M. I.

BASINSKI, S.

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64358.

Author : Malinowski, Stanislaw, Jedrzejewska Hanna, Basinski, Stanislaw, Lipski Zbigniew.

Inst :

Title : Investigations into Aldol Reactions in the Gaseous Phase.
II. Concerning Reactions Between Formaldehyde and Acetaldehyde.

Orig Pub: Roczn. Chem., 1957, 31, No 1, 71-79.

Abstract: As a continuation of recent work (see Report I, RZhKhim, 1958, 1204), there was investigated the reaction producing acrolein (I) out of formaldehyde and acetaldehyde by passing the vaporized mixture over SiO_2 (silica gel) saturated to 7% with Na_2WO_4 , K_2WO_4 , Na_2TiO_3 or K_2TiO_3 . The ratio of Na_2O to SiO_2 changed from 1:1 to 1:3.18.

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BASINSKI, S.

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref. Zhur-Khimiya, No 19, 1958, 64359.

Author : Malinowski Stanislaw, Basinski Stanislaw, Olszewska
Maria, Zieleniewska Hanna.

Inst : Institute of Chemistry, Polish Academy of Sciences, Warsaw

Title : Investigations into Aldol Reactions in the Gaseous
Phase. III.

Orig Pub: Roczn. chem., 1957, 31, No 1, 123-129.

Abstract: By passing the mixed vapors of equimolar columns
of formaldehyde and propione, n-butyric or n-valeric
aldehydes at temperatures of 250-325° over silica gel
saturated with liquid glass consisting of Na₂O : 3.18
SiO₂ to the concentration of 7%, the corresponding
alpha-methyl (I), alpha-ethyl (II) and alpha-(n propyl)-
acroleins (III) are produced. The reactions are carried

Card : 1/2

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POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G

Abs Jour: Ref Zhur-Khim., No 2, 1959, 4608.

Author : Malinowski, S., Jedrzejewska, H., Rasinski, S., and
Lipski, Z.

Inst :

Title : The Investigation of Aldol Reactions in the Gas
Phase. IV.

Orig Pub: Roczniki Chem, 32, No 2, 203-211 (1958) (in Polish
with summaries in English and Russian)

Abstract: Continuing their study of the gas phase synthesis of
 $\text{CH}_2=\text{CHCHO}$ (I) by the aldol condensation of CH_3CHO
and CH_2O on silica gel (II), the authors have found
that the yield of I depends on the following factors:
(1) the amount of Na adsorbed on or present in II;
(2) the method of preparation of II (to a small

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BASINSKI, S.

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Preparation of acrolein. Stanislaw Basinski and Stanislaw Malinowski. *Prace Inst. Chem. 38*, 103-104 (1959); *Ch. C.A.* 54, 19617a (1959). The prepn. of acrolein from a mixt. of AcH and HCHO was described. The starting materials were prepd. and the methods of testing described in the previous publications. The app. consisted of an acid-resistant steel contact oven of ellipsoid cross section, electrically heated, placed vertically. The reaction substrates were introduced dropwise through a metal heater at the top of the pipe, the products cooled in a glass condenser, and collected in a 1-l. flask. As catalyst silica gel was used. The best conditions for the process were: a mixt. of 1300 g. HCHO and 604 g. AcH passed in during 10 hrs. Under these conditions the yield of acrolein was 44%, the yield based on AcH 81.6%, that based on HCHO 70.8%, and the amt. of by-products 2%. Similar results were obtained using as catalyst diatomaceous earth acid. with NaOH.

L. G. Manilius

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299/149

9A

MALINOWSKI, S.; JEDRZEJEWSKA, H.; BASINSKI, S.; BENBENEK, S.

Studies on aldolic reactions in gaseous state. Rev chimie 6 no.1:
5-19 '61.

1. Academie Polonaise des Sciences, Varsovie.

MALINOWSKI, Stanislaw; BASINSKI, Stanislaw

Aldol reactions in the gas phase as a method of obtaining organic intermediates. Przem chem 41 no.4:202-205 Ap '62.

~~Instytut~~ Zaklad Syntezy Organicznej, Polska Akademia Nauk, Warszawa
i Zaklad Technologii Organicznej I, Politechnika, Warszawa.

B/081/63/000/002/052/088
B171/B102

AUTHORS: Malinowski, Stanisław, Basinski, Stanisław

TITLE: Preparation of acrolein

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1963, 401, abstract
2N25 (Polish patent 45675, April 16, 1962)

TEXT: Acrolein (I) is prepared by gaseous-phase condensation of CH_3CHO with CH_2O over a catalyst (CT) containing oxygen compounds of Ti with alkali and alkaline earth metals. CT is prepared either by deposition of suitable metal hydroxides from an aqueous solution on TiO_2 , or by fusing together solid hydroxides of these metals with TiO_2 . CT are used with or without support, such as silica gel. When these CT are used, good yields are obtained at 200-250°C. CT are not affected by changes of temperature. An example: 24 g of TiO_2 and 37 g of KOH are heated for 1 hour to red-heat in a Ni crucible. The resulting cake is crushed and dissolved in 800 g of a hot solution, containing 76 g of $(\text{HOOO})_2$. After cooling, the precipitate

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Preparation of acrolein

S/081/63/000/002/052/088
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composed of large crystals is washed with 50% alcohol and dried at 150°C. Silica gel is then impregnated with the solution of potassium titanate oxalate until it contains 7% of the salt by weight. When the mixture of CH_3CHO and CH_2O vapors at 225°C pass over the CT at the rate of 30 g/hr per 1 l of the CT, the yield of I is 57% by weight. If the rate of flow of the vapor mixture is 45 g/hr per 1 l of the CT, the yield of I is 54% by weight. [Abstracter's note: Complete translation.] ✓

Card 2/2

MALINOWSKI, Stanislaw; BASINSKI, Stanislaw

Studies on aldol reactions in the gaseous phase. IX. Roczniki chemii 36 no.5:821-826 '62.

1. Department of Organic Technology I, Institute of Technology, Warsaw, and Institute of Organic Synthesis, Polish Academy of Sciences, Warsaw.

MALINOWSKI, S.; BASINSKI, S.

Kinetics of aldolic reactions in gaseous phase on a solid catalyst of basic character. Pt.1. Biul chim PAN 11 no.2:55-61 '63.

1. Institute of Organic Synthesis, Polish Academy of Sciences, and Department I. of Organic Technology, Technical University, Warsaw. Presented by T. Urbanski.

POLAND

MALENCOWSKI, Stanislaw, BASINSKI, Stanislaw, and SZOZDRAJKA, Stefania, of the Department I of Organic Technology, Institute of Technology; Institute of Organic Synthesis, Polish Academy of Sciences (Katedra Technologii Organicznej i Politechniki, Warszawa; Zaklad Syntety Organicznej Polskiej Akademii Nauk, Warszawa), in Warsaw.

"Investigations of Aldol Reactions in Gaseous Phase. VIII. On the Equilibrium Conditions in the Reaction Between Acetaldehyde and Formaldehyde."

Warsaw, Roczniki Chemii, Vol 37, No 9, 1963, pp 977-982.

Abstract: [Authors' English summary modified] Authors established the course of gaseous phase condensation reaction of acetaldehyde and formaldehyde to acrolein, and of the simultaneous side reaction of acetaldehyde condensation to crotonic aldehyde. The study was based on calculations of the thermodynamic potential and the equilibrium constants of both reactions at various temperatures. Relationship of acrolein yield in equilibrium state and of reaction temperature is shown on graphs. Nine references, including 6 Polish, and 3 Western.

1/1

MALINOWSKI, Stanislaw; RASINSKI, Stanislaw; POLANSKA, Barbara

Studies on aldol reactions in gaseous phase. Pt. 4.
Rocz chemii 38 no. 1:23-27 '64.

1. Department of Organic Technology I, Technical University,
Warsaw, and Institute of Organic Synthesis, Polish Academy of
Sciences, Warsaw.

MALINOWSKI, S.; BASINSKI, S.; SZCZEPANSKA, S.; KIEWLICZ, W.

Kinetics of aldolic reactions in gaseous phase on solid catalysts with basic character. Pt. 2. Bul chim PAN 12 no. 3:149-153 '64.

1. Institute of Organic Synthesis, Polish Academy of Sciences, Warsaw, and Department of Organic Technology I, Technical University, Warsaw. Presented by T.Urbanski.

BASINSKI, Tadeusz, mgr inz.

Damages to the Polish seacoast caused by gales in February 1962.
Tech gosp morska 12 no.6:175-176 Je '62.

1. Instytut Budownictwa Wodnego, Polska Akademia Nauk, Gdansk.

BASINSKI, Tadeusz, mgr inż.

Use of bitumen in seacoast protection. Techn gosp morska 14
no. 6:178-180 Je '64.

1. Institut of Hydraulic Engineering, Polish Academy of
Sciences, Gdansk.

BASINSKI, Tadeusz, mgr., inz. (Gdynia)

Measurement of the correct alignment of rails in the underwater parts
of prefabricated slips. Tech gosp morska 11 no.9:276-277 '61.

BASINSKI, Tadeusz

Characteristics of the Polish seacoast and its defense structures.
Rozpr hydrotechn no.12:103-106 '62.

BASINSKI, Tadeusz, mgr inż.; MIELCZARSKI, Aleksander, mgr inż.

Underwater research by diving. Gosp wodna 23 no.4:163-164 Ap '63.

1. Zakład Budownictwa Morskiego, Instytut Budownictwa Wodnego,
Polska Akademia Nauk, Gdansk.

BASINSKI, Tadeusz, mgr inz. (Gdansk)

Coast protection. Tech gosp morska 14 no. 5:143-144 My '64.

BASIOLO, J.

Yugoslavia (430)

Agriculture - Plant and Animal Industry

Decline of fishery products from the Donja
Neretva River region in Herzegovina. p. 12.
MORSKO RIBARSTVO, Vol. 4, no. 1-2, 1952.

East European Accessions List, Library of
Congress, Vol. 1, no. 14, Dec. 1952.
UNCLASSIFIED.

BASIOLI, J.

Yugoslavia (43)

Agriculture-Plant and Animal Industry

Big Adriatic Sea lobsters, p. 67.
MORSKO RIBARSTVO. Vol. 4, no. 5, 1952.

East European Accessions List. Library of
Congress. Vol. 2, no. 3, March 1953,
UNCLASSIFIED

BASIOLI, J.

"Scombridas: Scomber Scombrus and Scomber Colias; Their Dispersion, Catching, and Economic Importance." p. 80. (Morsko Ribarstvo, Vol. 5, no. 5/6, 1953, Zagreb)

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954.
Uncl.

EASICLI, J.

EASIOI, J. Marine fishing in July 1955. p. 235.

Export of salt-water fish in July. p. 237.

Vol. 7, No. 9, Sept. 1955.

MORSKO RIBARSTVO.

AGRICULTURE

Rijeka, Yugoslavia

So: East European Accession, Vol. 5, No. 5, May 1956

BASTOLI, J.

Marine fisheries in the first half of 1955. MORSKO RIBARSTVO. (Udruzenje morskog ribarstva Jugoslavije) Rijeka. Vol. 7, No. 8, Aug. 1955. p.204.

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, Aug. 1956.

BASIOLI, J.

Marine fishing in November 1955. p. 20. MORSKO RIBARSTVO. (Udruzenje
morskog ribarstva Jugoslavije) Rijeka. Vol. 8, no. 1, Jan. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

BASIOLI, J.

Fisheries on the Kornat islands once and now. p. 45. MORSKO
RIBARSTVO. (Udruzenje morskog ribarstva Jugoslavije)
Rijeka. Vol. 8, no.2, Feb. 1956.

SOURCE:

East European Accessions List (EEAL),
Library of Congress Vol. 5, no.11, Nov., 1956.

BASTOLI, J.

Trawler fishing in 1954 and 1955. p.115

Found in Vol. 8, no.4, April 1956 (MORSKO RIBARSTVO)
In Rijeka, Yugoslavia

So. EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 7 July 1956

BASTOLI, J.

Marine Fishing in February 1956, p. 128

Found in Vol. 8 no. 4, April 1956
In Rijeka, Yugoslavia (MORSKO RIBARSTVO)

So. EAST EUROPEAN ACCESSIONS LIST Vol. 5, no. 7 July 1956

BASICLI, J.

BASIOI, J. Fishing for Smaris vulgaris with seines in 1954 and 1955. p. 148.

Vol. 8, No. 5, May 1956.

MORSKO RIBARSTVO

AGRICULTURE

Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

BASIOLI, J.

BASIOLI, J. Marine fisheries during March 1956. p. 160.
Polyvinyl containers in the food industry. p. 162.
Standardization of tins for the canning of fish. p. 163.

Vol. 3, No. 5, May 1956.

MORSKO RIBARSTVO

AGRICULTURE

Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

BASIOLO, J.

Marine fisheries during April 1956. p.192

MORSKO RIBARSTVO (Udruzenje morskog ribarstva Jugoslavije)
Vol. 8, no. 6, June 1956

Rijeka, Yugoslavia

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

BASIOLI, J.

BASIOLI, J. The Lim Channel; fishing and oyster culture in the past and present. p. 218.

Vol. 8, No. 7, July 1956.

MORSKO RIBARSTVO

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Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

BASIOLI J.

BASIOLI J. Marine fisheries during May 1956. p. 226.
Social administration of the Institute of Oceanography and Fisheries in Split.
p. 228.

Vol. 8, No. 7, July 1956.
MORSKO RIBARSTVO
AGRICULTURE
Rijeka, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

BASIOLI, J.

The fisheries in Uula Tar.

P. 247 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958)

~~BASICII, J.~~

Marine fisheries of Slovenia in the 1st half of 1956.

p. 262 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (EEAI) I.C. Vol. 7, no. 2,
February 1958

BASICH, J.

Marine fisheries of Croatia in June 1956.

p. 262 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2,
February 1958

PASICLI, J.

Marine fisheries of Montenegro in the 1st half of 1956.

p. 263 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (MEAI) LC. Vol. 7, no. 2,
February 1958

BASICIL, J.

Marine fisheries of Croatia in the first half of 1956.

p. 280 (Morsko Ribarstvo. Vol. 8, no. 8, Aug. 1956. Rijeka, Yugoslavia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

BASIOLI, J.

The fisheries of Vis Island. p. 289
(GLASNIK, Vol. 8, No. 9, Sept. 1956 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

BASIOLI, J.

Marine fisheries in July 1956. p. 307
(GLASNIK, Vol. 8, No. 9, Sept. 1956 (Published 1957))

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

BASIOLI, J.

Marine fisheries of Croatia in October 1956. p. 426.
(Gozdarski vestnik, Vol. 8, No. 12, Dec. 1956, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Fisheries in the Bay of Bakar, p. 414.
(Gozdarski vestnik, Vol. 8, No. 12, Dec. 1956, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Marine fisheries of Croatia in November 1956. p. 27.
(Gozdarski vestnik, Vol. 9, No. 1, Jan. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions ,(EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Social insurance of fisherman. p. 32.
(Gozdarski vestnik, Vol. 9, No. 1, Jan 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European (KEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Our production of canned fish from January to November 1956, p. 30.
(Gozdarski vestnik, Vol. 9, No. 1, Jan. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No.8, Aug 1957. Uncl.

BASIOLI, J.

Our export of fishery products in November and in the first eleven months of 1956.
p. 30.
(Gozdarski vestnik, Vol. 9, No. 1, Jan. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (REAL) Lc. Vol.6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

The fisheries of Ostrvo Krk. p.1.
(Gozdarski vestnik, Vol. 9, No.1, Jan. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc/ Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLO, J.

The fisheries of Cres Island. p. 81.

(Gozdararski vestnik, Vol.9, No. 3, Mar. 1957. Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions, (REAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Marine fisheries of Yugoslavia in 1957. p. 96.
(Gozdarski vestnik, Vol. 9, No. 3, Mar. 1957, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions, (ERAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

BASIOLI, J.

Marine fisheries of Yugoslavia in May 1957. p. 196
(GLASNIK, Vol. 9, No. 7, July 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

BASIOLI, J.

"Fisheries of Eastern Istria."

p. 260 (Morsko Ribarstvo) Vol. 9, no. 10, Oct. 1957
Rijeka, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

BASIOLI, J.

"Rovinj fisheries."

p. 289 (Morsko Ribarstvo) Vol. 9, no. 11, Nov. 1957
Rijeka, Yugoslavia

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Yugoslavia. Vol. 11, no. 8; Aug. 1959

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(Centrifugal casting)

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PA 4/49T95

USSR/Radio Receivers

May 48

Radio Receivers - Selectivity

"The 'Neva' Receiver," I. V. Basis, 4 pp

"Radio" No 5

The Leningrad Radio Works has started manufacturing the "Neva" receiver, modern and improved version of the "Marshal" receiver previously manufactured by the same plant. It has six bands, three of which are short-wave bands, and is equipped with nine tubes. Photograph of assembly line of the "Neva."

4/49T95

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(Mine filling) (Hydraulic machinery)

DOBROVOL'SKIY, V.V., kand.tekhn.nauk; BASISHVILI, T.D., inzh; KODENTSOV, A.Ya., inzh.

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DOBROVOL'SKIY, V.V., kand.tekhn.nauk; BASISHVELI, T.D., inzh.

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1. Department of Virology, Institute of Immunology and Experimental
Therapy, Polish Academy of Sciences, Wroclaw Department of Medical
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Organization of work in technical service groups. p. 24.

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Vol. 12, no. 5, May 1959

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BASIS FOR A

1. Summary of the Proceedings of the 15th Conference on Problems in the Application of Mathematical Methods in the Solution of Industrial-Economic Problems
VII. Use of Mathematical Methods in the Solution of Industrial-Economic Problems
- 1) G A Kise - The Solution of Extremal Problems for the Bell Functions of a Vessel on the Basis of the Labor Input Factor
- 2) E E Pecher - The Graphical-Analytical Method of Determining the Rate, Degree of Specialization and Location of Metal-Processing Enterprises
- 3) E E Baliger - The Application of Electronic Computational Techniques to Industrial Enterprise Operations
- 4) S A Bauler - Mathematical Methods in the Organization and Planning of Production
- 5) A A Babits - The Application of Linear Programming Methods to Agricultural Economic Problems
- 6) Ya A Prile, P I Kuznetsov - On the Problem of Determining the Rate in Reducing Ferrous Production
- 7) A Bauler - A Simplified Method for Economic Comparison of Alternative Technical Decisions in the Chemical Industry
- 8) P G Gerasimov - The Economic and Computational Significance of the Efficiency Coefficient of Additional Capital Investments
1. Summary Session - 15 November 1979, 1600 hours
- 2) Adoption of Decisions by the Conference
- 3) Concluding Remarks (in the name and on the instruction of the Conference President)

Report submitted at the Soviet Conference on Problems in the Application of Mathematical Methods in Economic Research, Leningrad, 15-21 January 1980.

S/092/60/000/007/001/002
A051/A026

AUTHOR: Basistov, A.G.

TITLE: Improving the Quality of Motor Oils and Engines

PERIODICAL: Neftyanik, 1960⁵, No. 7, pp. 5 - 7

TEXT: The author summarizes the accomplishments in the production of motor fuels and lists the problems still lying ahead, stating that the entire fuel situation has changed in the USSR, owing to the latest development of petroleum and combustion engine industries. Emphasis is placed on the use of cheap types of fuel, such as furnace mazout and natural gas. New oil-refining techniques are being introduced, as well as up-to-date equipment for automating and raising production output and quality. Oil products and natural gas are being used more and more in the production of chemicals. The author enumerates the shortcomings: there is a serious lagging behind in the field of secondary processes of oil refining, i.e., catalytic reforming, catalytic cracking, hydropurification, deparaffinization, etc; the quality of commonly used brands of gasoline, especially with respect to the octane number, is inferior; economic estimations proved it expedient to increase the octane number of a wide range of automobile gasolines to the level of existing better brands. Based on estimated data calculated in advance on the quantity of
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carburetor engines to be produced by 1980, it is recommended by specialists of oil-refining and engine construction industries that the following ratio of three types of gasoline be achieved during the current year, referred to the general production volume:

Gasoline Type	Octane Number	Percent of total volume of automobile gasoline production
"Extra"	100 - 106	10 - 15
First quality	90 - 96	60 - 65
Second quality	80 - 88	20 - 25

The main technological process to ensure the increase of the octane number of automobile gasoline will be the catalytic reforming of directly-distilled benzene fractions of petroleum. It is also assumed that in order to achieve the highest values of the octane number for each brand, the addition of an antiknock compound is possible. It is further assumed that non-toxic additions will be widely used in the future. The author states that the diesel fuel produced from eastern sulfurous oils was also found to be unsatisfactory, especially in its sulfur content and freezing point, leading to an increased wear of the engines and to limited

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usability of this fuel in cold weather. It is estimated that about half of the common diesel oil will be needed with a sulfur content not over 1% and only about 1% of the diesel oil can contain up to 1.5% sulfur. The hydropurification and deparaffinization processes have been introduced on a wide scale due to the latest development in the drilling of high-sulfurous and paraffine-containing oils in Tartar SSR, Bashkiria and other Eastern localities. It is intended to increase the production of low-sulfurous diesel fuel, with a sulfur content of not more than 0.2%, by 4 times during the current 1959 - 1965 Seven-Year Plan, and that of the winter diesel oil by about 2.8 times. By supplying the diesel engines with lubrication containing anti-corrosion additives, a diesel fuel containing up to 1% sulfur can be used; further research is being carried out on the production of new additives allowing the use of diesel fuel containing even more than 1% sulfur. The need for a wide production of anti-corrosion additives including those increasing the cetane number is emphasized. The scarcity of diesel fuel in the country is stressed, and an increase of the diesel fuel percentage in the general consumption of light petroleum products is foreseen by the Seven-Year Plan. The automobile gasoline yield from petroleum will be somewhat reduced, in order to compensate for the diesel shortage. Other measures to overcome this shortage are listed as follows: 1) research work and introduction of economic measures for improving the

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technology in oil refineries with the purpose of maximum usage of diesel fuel resources. 2) Creating multi-fuel engines, i.e., diesels, capable of running on gasoline or mixtures of diesel fuel with gasoline. The chance of mixing low-octane gasoline with diesel oil is to be determined and the amount of gasoline allowed indicated as well as the types of diesel fuel, types of engines, etc. The use of additives will be important, especially of those increasing the cetane number. It is suggested here that diesel tractors, automobiles and road-construction vehicles be the first to be tested with the new fuel. 3) Creating gasoline modifications of diesels, i.e., gasoline engines with spark ignition, unified with the diesels, which is also recommended for diesel tractors. 4) Wider application of compressed natural and oil well gases as fuel for internal combustion engines. It is generally recommended to convert diesels of the oil and gas industry and of medium and low-power stationary plants to use of natural and oil well gases. Experimental work on determining the expediency of using gas engines in drilling and in locomotives on railway lines running close to gas pipelines is being carried out. The author claims that in the next few years the development of gas turbines and other types of engines will be realized. It is assumed that for the gas turbines distillates from coking of heavy oil residues will be used as fuel. The latter have no corrosion-active substances, contrary to mazout. In Novokuybyshevsk, a combined meeting of employees of the machine-building and oil-refining industry was held on Card 4/5

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March 22 - 25, 1960, to summarize the results of research and experimental work in the fight against corrosion of motor parts when using fuel with increased sulfur and vanadium content. The quality of petroleum products is hoped to be generally improved.



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